

Consulting Environmental Engineer
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Summary of Qualifications

Consulting engineer in the areas of water quality and California water issues based on academic training and 40 years professional experience. Registered Professional Engineer (Civil) in the State of California.

Work Experience

California Regional Water Quality Control Board, San Francisco Bay Region

33 years experience on the staff of the above, 1973 – 2006. Retired as Principal Engineer and Assistant Executive Officer responsible for:

- Regulation of waste discharges to San Francisco Bay and its tributaries from municipal and industrial sources pursuant to California laws and the federal Clean Water Act. This included preparation of NPDES Permits and Water Quality Certifications.
- Programs for control of stormwater runoff,
- Implementation of policies and programs for protection of water quality, including response to pollutants of emerging concern, dredge spoil disposal and reuse, and protection of wetlands and streams.

Responsible for day to day supervision of about 80 Board staff concerned with surface water issues, made up of civil and chemical engineers, biologists, and engineering geologists.

Areas of special interest include regulation of trace chemical and biological pollutants from industrial and municipal dischargers; better coordination of regulatory activities for watershed protection; patterns of water outflow and water use and their impacts on water quality; response to pollutants of emerging concern from point and non-point sources, and use of computer technology for better management and public access to environmental and related information. Wrote the first policy for safe landfill closure in California.

Special assignments have included acting Executive Officer of Regional Board 1999-2000; acting Executive Officer of the Los Angeles Regional Water Quality Control Board in 1997; conducting review of statewide Bay Protection and Toxics Cleanup Program with recommendations for reform, 1995 (reforms since implemented); and work on task force on use of UV light for wastewater disinfection, 1994.

Other Experience

Project engineer for consulting firm, responsible for industrial waste studies, collection system design, and air quality survey. As a lieutenant in the Army Corps of Engineers, directed platoon-sized units in Germany and Vietnam. Awarded Bronze Star, Army Commendation Medal with V, and Army Air Medal for service with the 1st Infantry Division in Vietnam.

Education

B.S. in Civil Engineering, Michigan State University, East Lansing, 1964. Awarded W.R. Brown Scholarship, graduated with honors.

M.S. in Environmental Engineering, University of California, Berkeley, 1968.

Ph.D. in Environmental Engineering, Utah State University, Logan, 1973. Coursework included toxicology, fisheries biology, and water law. Thesis was on dimethyl mercury.